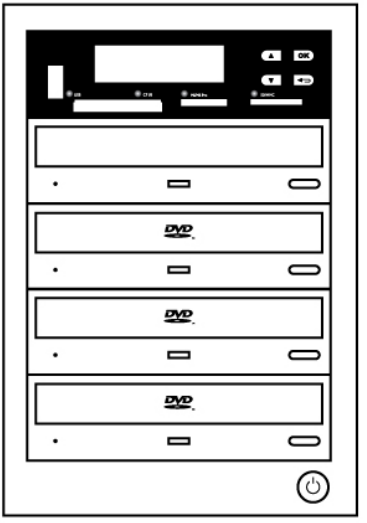
Media Mirror Multi-Media Duplicator



User's Guide

Version 3.2

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Appendix

1. Features

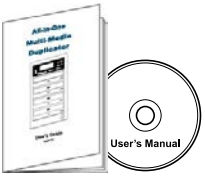
- Multi-Session, MultiDisc, Disc Spanning, Disc to Disc duplication.
- High speed DDR2 SDRAM.
- Support various Flash media interface, ex: USB, SD, CF, MicroSD….
- Support high speed 24X DVD, 52X CD, and 12X Blu-ray burning.
- Special blue back-lit LCD display.
- Support built-in HDD to load disc images.
- Easy operation for separate DVD and Flash to DVD duplication.

2. System Overview

2-1. Package Contents

Media Mirror Duplicator

Power Cord



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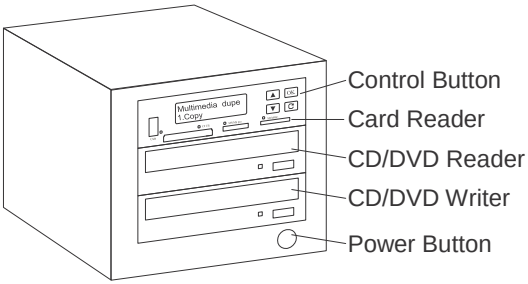
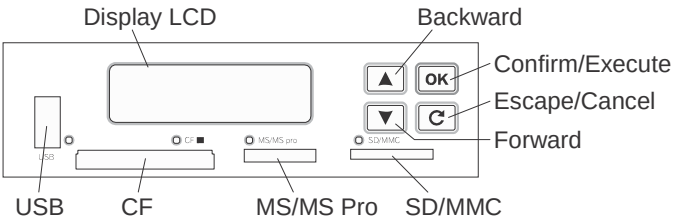
2-2. Media Mirror Multimedia Duplicator

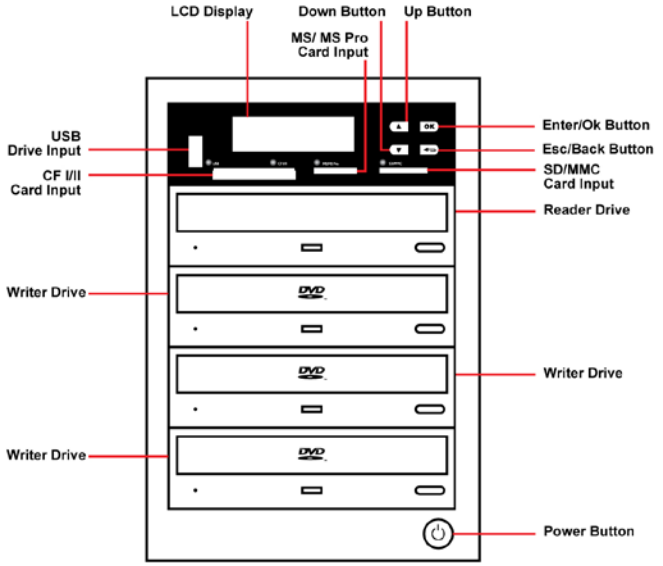


I. Introduction

2-3. Display Interface



2-3. Media Mirror Multimedia Duplicator Controls



I. Introduction

2-4. Main Function Structure

There are two main functions for Media Mirror multimedia duplicator series, One function is Disc Duplication (Blu-ray/ DVD/CD), and the other one is Flash to Disc Duplication.(USB/SD/microSD/MMS..)

Disc to Disc Duplication

** Please refer to Chapter 2 on page 10 for operating instructions.

Flash to Disc Duplicator (USB/SD/CF/MMS...)

1. Multi- Session
2. Disc Spanning
3. MultiDisc

** Please refer to following sections for operating instructions.

There are three main copy modes for Memory card or USB copy to CD/ DVD disc:

- **Multi-Session:** Allows all different types of memory cards with small data to backup to one disc.

Ex:

Note:
Only ONE Flash device can be inserted and copied at a time.

- **Disc Spanning:** A large capacity memory card with large data content can copy to several discs.

  Ex:

Note: Disc Spanning does not support copying a Flash device with a single large file.

- **MultiDisc:** Allows you to duplicate multiple discs from one Flash device.

  Ex:

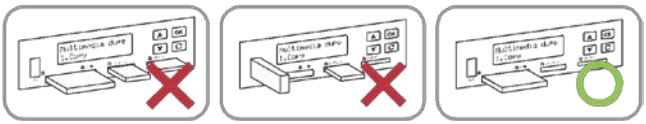
I. Introduction

Example of Multi-Session, MultiDisc and Disc Spanning

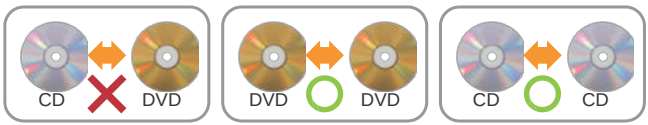
	Flash Source	Multi-Session	MultiDisc	Disc Spanning	Note
1	USB with 100MB data copy to a CD	First session of CD1	Yes, as many blank discs as you need	No	Flash device with small data can make multi-session copy
2	SD card with 200MB data copy to a CD	Second session of CD1	Yes, as many blank discs as you need	No	
3	USB with 8GB data copy to CDs or DVDs	No	No	2 DVDs (or) 11 CDs	Flash device with a single file cannot use disc spanning function.

2-5. Reminding:

1. Disc Spanning does not support copying Flash devices with a single large file.
2. Disc spanning cannot execute with Multidisc mode at the same time, when both modes are enable, the system will primarily execute disc spanning.
3. Each disc will keep some blank space between each session there are also remain blank space at the end of the copy process.
4. ONLY ONE Flash device can be inserted at a time.



5. This duplicator can copy various Flash Media (Memory Cards and USB devices) which support FAT12, 16, 32 file formats. It is not possible to copy Non FAT Flash media.
6. When the system is in process, DO NOT pull out the flash media.
7. CD can only copy to CD, DVD copy to DVD.



Function Table-Multimedia Duplication

Multimedia Dupe		When you select Disc duplicate, you will enter the disc to disc menu; if you choose Multimedia Dupe, you will only access the Flash to disc menu.	
Function	**Sub-function**	**Description**	
1. Copy		To copy Flash to disc	
2. Compare		To compare Flash source and copied discs to ensure data correctness.	
3. Copy+Compare		To copy first and then compare Flash source and copied discs.	
4. Information	USB/Card Info.	To show Flash device's used space, total capacity and file quantity.	
	Disc Info.	To show disc's burning speed, format and capacity.	
	System Info.	To show the duplicator's model No., firmware version.	
	Burn Speed	To show the burning speed of disc.	
5. Utility	Update BIOS	To update the system firmware	
6. Setup	Multi Session	To enable or disable multi-session mode	
	Disc Spanning	To enable or disable disc spanning mode	
	MultiDisc	To enable or disable multidisc mode	
	Advanced setup	1. CD Spare Size	To set spare size to preserve the outside space of discs not to be written.
		2. DVD Spare Size	
		3. BD Spare Size	
		4. Time Zone	To setup the proper time zone for your location.
		5. Language	To set the language you prefer to use during operation.
		6. Factory Default	To reset all the settings to manufacturers default setting

II. Function Introduction

Chapter 1. MultiMedia Duplication

Select Multimedia Dupe from the main menu and press (OK) to start Flash to disc copy operation.

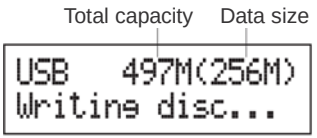
1. Copy

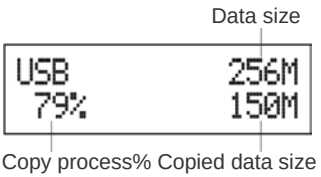
The copy function in Multimedia duplication has three main options: Multi-Session, Disc Spanning and MultiDisc. Each mode can be enabled or disabled in Setup function. (Please refer to 6.Setup, page 17)

****Note:**
Before copying, it is recommended to check each memory card, USB or BD/DVD/CD's content information. For more info on the check function please refer to 4.Information.

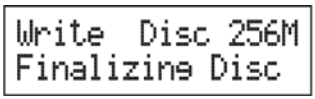
1. Insert a Flash device (ex: USB, SD, MMS…) into the proper slot as source and place a disc into the writer tray as target for duplication. If you would like to copy many discs at the same time, you can place more than one blank disc into the writer drives.
2. Select 1.Copy and press (OK) to start copying.

3. The system will detect the source and the target disc automatically.





4. When the copy task has finished, the system will close the session.



5. The disc will be ejected, and you can continue to copy another memory card or USB.

****Note:**

1 As long as the disc was a multi-session disc, it will not support disc spanning copy.

2 If the data size is larger than the disc's capacity, the system will require you to plug more than one disc. Please make sure the disc spanning function is enabled, you can set it up in 6-2. Disc spanning, page 17.

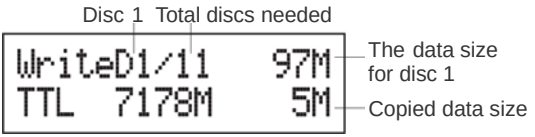
3 Rewritable discs do not support multi-session copy. Due to the feature of CD±RW and DVD±RW rewritable format, the first session can be copied successfully, but when you want to build up the second one, the system will erase the first session of +RW format disc, and an error message "Not Blank Disc" for –RW format disc.

In Disc Spanning Mode:

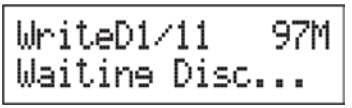
1. Insert a Flash device (ex: USB, SD, MMS…) into the proper slot as source and place a disc into writer tray as target for duplication.
2. Select 1. Copy and press OK to start copying.

3. The system will detect the source and calculate how many discs are needed.

4. After detecting, the system will start to copy.



5. When the first disc has finished copying, the disc will be ejected, and wait for the next disc.



** Note:

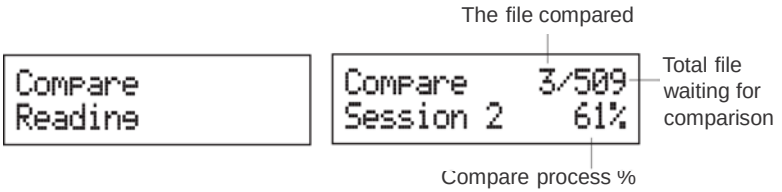
1 Disc spanning cannot be executed at the same time with Multidisc mode. When both modes are enabled, the system will execute disc spanning first.

2. Compare

The compare function has two different displays for discs copied by Multi-Session and Disc Spanning.

1. Insert a Flash device (ex: USB, SD, MMS…) into the proper slot as source and place a disc into writer tray as a target for duplication.
2. Select 2.Compare and press (OK) to start comparison.

3. The system will automatically detect the source and the target disc.
4. After detecting, the system will start to compare.



5. When the comparison has finished, press (OK) to go back to the previous menu.

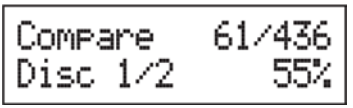
****Note:**

1. The compare function executes a file by file and bit by bit comparison. Therefore, comparison speed will be affected by file quantity, total content size and Flash device's reading speed.

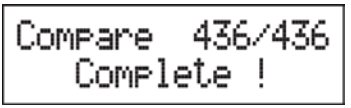
2. While doing multi-session disc comparison, only one disc is allowed to compare with the source.

Disc Spanning Compare

1. Insert a Flash device (ex: USB, SD, MMS…) into the proper slot as source and place a disc into writer tray as target for comparison.
2. Select 2.Compare and press (OK) to start comparison.
3. The system will detect the source and the target disc automatically.
4. After detecting, the system will start to compare.



5. When the comparison has finished, press (OK) to go back to the previous menu.



3. Copy + Compare

This function is to make a copy first and then compare the copied discs with source immediately after the copy task has finished.

4. Information

Before copying, it is recommended to use this function to check each memory card, USB or CD/DVD's content information. You can check Flash device's information (ex: used space, file quantity..) and disc's information (ex: burn speed supported, total capacity and content size..) in this function.

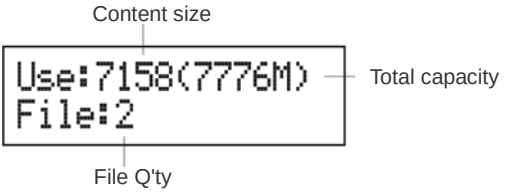
4-1. Flash Device Information

1. Insert a Flash device (ex: USB, SD, MMS…) into the proper slot.
2. Select 4.Information and press (OK).

3. Select 1.USB/Card Info. and press (OK) to check the device's information.

4. The system will detect the device automatically.

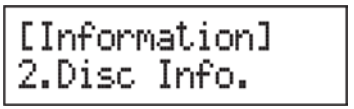
5. After detecting, the information of the device will display. The information includes used space, total capacity and file quantity.



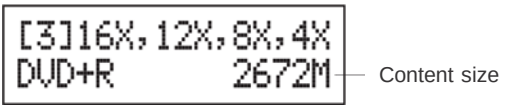
4-2. Disc Information

1. Place a disc into a drive tray.
2. Select 4.Information and press OK.

3. Select 2.DiscInfo. and press OK to check the disc's information.



4. The system will detect the disc automatically.
5. After detecting, the information of the disc will show up. The information includes the burning speed supported, disc format and content size.

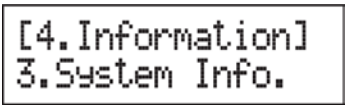


4-3. System Information

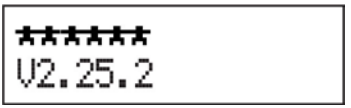
This function show the system's information which includes the model No., and firmware version.

1. Select 4.Information and press (OK).

2. Select 3.SystemInfo. and press (OK) to check the system's information.



3. The system information will show on the LCD.



5. Utility

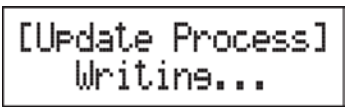
This function will update the firmware of this system by using certified update firmware released by the manufacturer.

1. Request the firmware from your local distributor.
2. Unzip the firmware and save it in a USB drive.

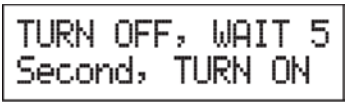
****Note**
DO NOT save the firmware in a folder. The system can not detect the firmware if you save it in a folder.

3. Select 5.Utility and press (OK).

4. The system will start to execute updating task.



5. When updating has finished, the system will prompt you to reboot.



6. Setup

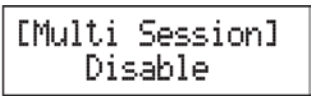
This section allows you to setup the multi-session, disc spanning, multidisc, disc burning speed and advanced setup.

6-1. Multi-Session

1. Select 6.Setup and press (OK).

2. Select 1.Multi-session and press (OK)

3. Use (▲) / (▼) to enable or disable the copy function.

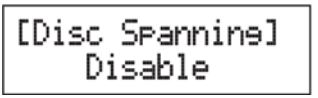


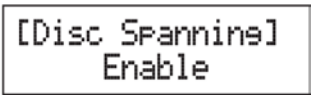
6-2. Disc Spanning

1. Select 6.Setup and press (OK).

2. Select 2.DiscSpanning and press (OK).

3. Use (▲)/(▼) to enable or disable the copy function.





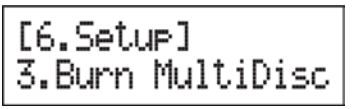
**** Note:**
Disc spanning cannot be executed at the same time as Multidisc mode. When both modes are enabled, the system will execute disc spanning.

6-3. MultiDisc

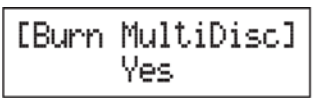
The MultiDisc copy mode allows you to duplicate multiple discs from one Flash device. You can enable or disable this mode here.

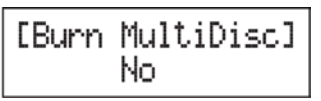
1. Select 6.Setup and press (OK).

2. Select 3.MultiDisc and press (OK).



3 Use (▲)/(▼) to enable or disable the copy function.





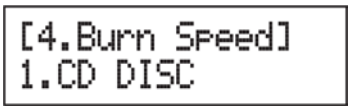
6-4. Burn Speed

In this section, you can adjust Blu-ray, DVD and CD duplication speed.

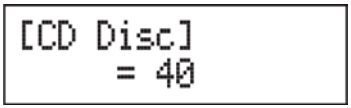
1. Select 6.Setup and press (OK).

2. Select 4.BurnSpeed and press (OK).

3. Select 1.CDDisc and press (OK).



4. Use (▲) / (▼) to adjust the proper disc duplication speed. The burning speed of a CD is from 1 to MAX. The default burning speed setting of Blu-ray is 4X, DVD is 8X and CD is 40X.



6-5. Advanced Setup

CD/DVD/BD Spare Size

Due to the fact that the outside space of disc is not as easy to write as the inside space, you can set spare size to ensure the outside space of a disc is not written in order to keep consistent quality.

Time Zone

This setting allows you to setup the proper time zone in your local area.

Language

You can set the language you prefer to use during operation.

Factory Default

You can reset all settings to manufacturer default setting with this function.

Function Table-Disc to Disc Duplication

Disc Dupe			When you select Disc duplicate, you will enter the disc to disc menu; if you select Multimedia Dupe, you will only access the Flash to disc menu.
Function	**Sub-function**		**Description**
1. Copy			To copy disc to disc or copy disc from HDD.
2. Test			To simulate copy process
3. Compare			To bit by bit compare between source disc and copied discs
4. Copy & Compare			To copy first and compare the copied discs later.
5. Set Burn Speed			To set burning speed for duplication.
6. Select Source			To select source from any optical drive or hard disk drive.
7. Utility	1. Information	1. Disc Info.	To check the format of disc, burning speed supported and total capacity or data size.
		2. Drive Info.	To check the version, model No. and brand name
		3. System Info.	To check the model No. and firmware version
	2. Erase Disc	1. Quick Erase	To erase data from rewritable disc.
		2. Full Erase	To erase data from rewritable disc.
	3. PreScan Source		To check source disc's readability.
	4. Track Edit	1. Copy Track	To select and combine audio tracks from various CDs into a single customized audio CD.
		2. Close Disc	To close the disc after track copying to make the CD playable on CD players.
		3. Disc Info.	To check the audio CD's use status.
	5. Eject All Disc		To eject all trays.
	6. Copy Counter	1. Show Count	To check how many discs were successfully copied and failed.
		2. Enable Counter	To enable or disable counter setting.
		3. Clear Counter	To delete the current count.
	7. Update BIOS		To update the system's firmware.

II. Function Introduction

8. Setup	1. Auto Start Time		Allow the system to do the Copy Test, Compare and Copy + Compare functions automatically
	2. Display Mode	1. Basic	
		2. Show Speed	
		3. Show Timer	
	3. Button Beep		
	4. Eject On Start	1. Eject All Discs	To eject all trays with discs inside when the system is booted up.
		2. Do Not Eject	Do not eject any tray or disc when the system is booted up.
		3. Eject Target Only	Only eject target trays with discs inside when the system is booted up
		4. Eject Source Only	Only eject source disc when the system is booted up.
		5. Eject All Trays	To eject all trays when the system is booted up.
	5. Reader Speed		To adjust the reading speed of a source drive.
	6. Compare Speed		To adjust the speed of drives while comparing.
	7. Language		
	8. Clear Setup		To reset functions back to manufacturer's default setting.
	9. Advanced Setup	1. Power On Time	To set a warm-up time from 5 seconds to 99 seconds.
		2. Startup Menu	To select which function you would like to show up in the beginning.
		3. Skip Reader Error	To set skip the read error and keep copying.
		4. Change Bad Master	To make the system eject a bad source disc and ask for another one if the source disc is unreadable to the system.
		5. CD Overburn	Set to copy overburn CD.
		6. Show HDD Image Name	To show HDD image name or capacity on Copy, Test, Copy + Compare and Compare function
		7. Keep Buffer	To enable or disable load source to the buffer.
		8. Boot Password	To enable or disable the users administrative password.
		9. Setup Password	To set up the login password.

9. HDD Manager	1. Select Image	To select image file from HDD as your source for copying.
	2. Disc=> Image	To load your source disc to the built-in HDD.
	3. Set Reader Speed	To adjust the source readers speed while you load data from the reader to HDD.
	4. Show Image Info.	To check the disc format and image file data size.
	5. Rename Image	To change the name of an image file.
	6. Delete Image	To delete image file from the built-in HDD.
	7. Show HDD Info.	To check the information of the built-in HDD. Includes how many discs are stored and the free space available.
	8. Format HDD	To format the built-in HDD

II. Function Introduction

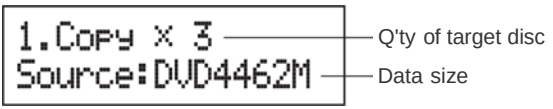
Chapter 2. Disc Duplication

Select Disc Dupe from the main menu and press (OK) to start disc to disc copy operation.

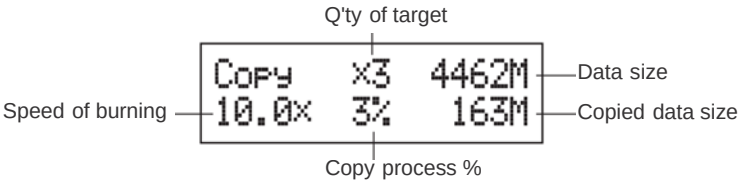
1. Copy

It is important to make sure that your source disc is placed in the right drive. You can check or select your source reader by function 6.Select Source. (Please refer to 6.SelectSource, page 28)

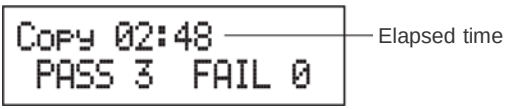
1. Select 1.Copy and place source disc and blank discs into the proper trays. Then the system will detect the source disc and show the information.



2. Press (OK) to start copy



3. Once the copy task is finished, the copied discs will be ejected and the result of copy task will show on the LCD:



****Note:**
Due to default setting of auto start time, the duplicator will start to copy automatically within a few seconds. You can set “OFF” to close the auto start function or set a longer waiting time. The default setting is 5 seconds. (About this setting please refer to 8-1. AutoStartTime, page 33)

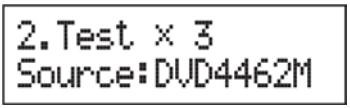
If HDD is selected to be the source reader, you have to upload the source to the built-in HDD and then follow the copy process to do your copy task. How to upload data from disc to HDD please refer to 9-2.Disc to Image, page 37.

****Note:**
The default setting of source reader is the first drive.

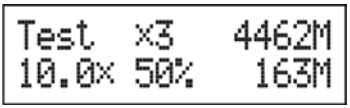
2. Test

This function will simulate the copy process to ensure error free duplication. During the simulation, there will be nothing written in the recordable discs.

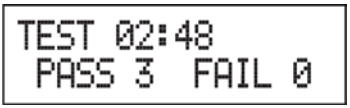
1. Using ▲ / ▼ to select 2.Test and press OK.



2. Press OK to start test



3. Once the test task is finished, the discs will be ejected and the result of the pass and fail discs for the test task will show on the LCD:



****Note:**

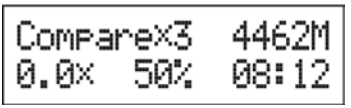
1. This function is unable to support DVD+R blank disc.
2. If you use CD/DVD rewritable discs as your blank media in the simulation, all the content inside the discs will be erased permanently during test simulation.

3. Compare

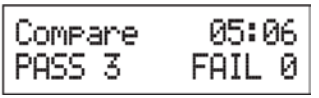
This function will perform bit-by-bit comparison between source disc and copied discs to ensure the copied discs are identical to source disc.

1. Place source disc and blank discs into Reader and Writer separately.
2. Using ▲/▼ to select 2.Compare and press OK to start compare.

3. The system will detect the source and target discs automatically.
4. After detecting, the system will start to compare.



5. When the comparison has finished, the system will show the compare result.



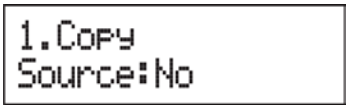
4. Copy + Compare

This function will do copy task first and execute comparison automatically when copy process is finished.

****Note:**

In Copy, Test, Compare and Copy+Compare functions

1 If there is no source and target discs inside the duplicator, there will be nothing show on LCD.



2 If the built-in HDD is selected as source, the information presents different:

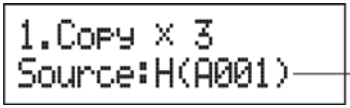


Image file name

3 The information display of these 4 functions will be different based on the display mode you selected.
(Please refer to 8-2.Displaymode, page 34)

5. Set Burn Speed

You can adjust the burning speed of CD/Audio CD/DVD/DVD DL/Blu-ray by this setting. The default setting of CD is 40X, Audio CD 24X, DVD 8X, DVD DL 2X and Blu-ray 2X.

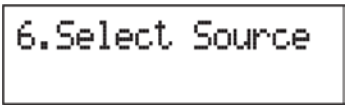
1. Using ▲ / ▼ to select 5.SetBurn Speed and press OK.

2. Pressing ▲ / ▼ to adjust the burning speed of CD and press OK to confirm it, or press OK to select Audio CD,DVD, DVD DL or Blu-ray to adjust the burning speed.

6. Select Source

You can set any drive or built-in HDD in the duplicator to be your source reader.

1. Using ▲ / ▼ to select 6.SelectSource



2. Press OK to check the current source reader, or select the proper drive to be the source reader by pressing ▲ / ▼ , once the source reader is selected, press OK to confirm the setting and back to the menu list.

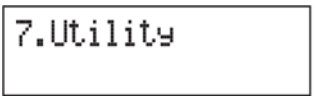
****Note:**
The default setting of source reader is the first drive.

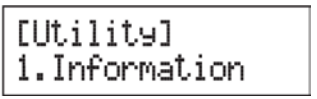
7. Utility

7-1. Information

You can check the information of disc, drive and system by this function. By pressing ▲ / ▼, each disc or drive's information will show on the LCD.

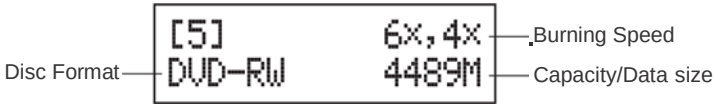
1. Using ▲ / ▼ to select 7.Utility, press OK to enter the sub menu. Then, select 1.Information and press OK.



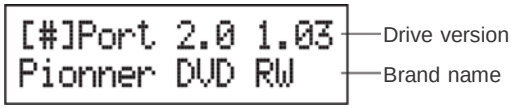


2. Using ▲ / ▼ to select 1.DiscInfo. or 2.DriveInfo. or 3.SystemInfo., and press OK to see the related information.

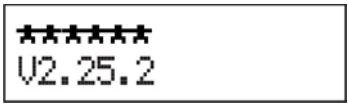
3. The information will show on the LCD as below:
   - **Disc Info.:** You can check the format of disc, burning speed supported and total capacity. If the disc has data, you can also check the data size.



   - **Drive Info.:** The version, model No. and brand name can be checked here.



   - **System Info.:** The model No. and firmware version can be checked here.

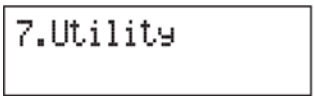


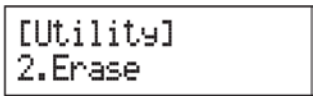
7-2. Erase Disc

This function will erase the rewritable discs in WRITER tray, there are two erase modes available:

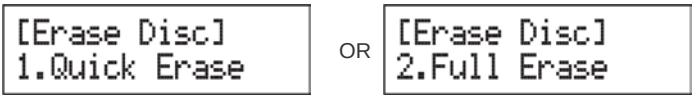
- Quick Erase: Will erase the INDEX of the rewritable disc.
- Full Erase: Will erase ALL DATA in the rewritable disc, which takes longer time than Quick Erase.

1. Place discs into writers.
2. Using ▲ / ▼ to select 7.Utility and press OK to enter the sub menu. Then, select 2.Erase and press OK.

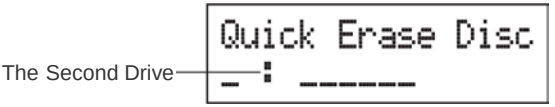




3. Using ▲/▼ to select 1.QuickErase. or 2.FullErase.



4. Press OK to execute the erasing task. When the system is detecting the discs, you will see the colon flashing.



5. When the erase task is in process, you should see the O and o blinking.

6. Once the erase task has finished, the O stops blinking, the disc will eject automatically.

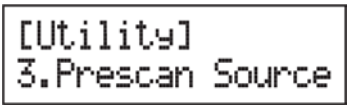
**Note:

1. If you place a new DVD+RW to execute quick erase or full erase, the system will format automatically and you will see F and f blinking on LCD display.
2. Erase function only supports rewritable discs.

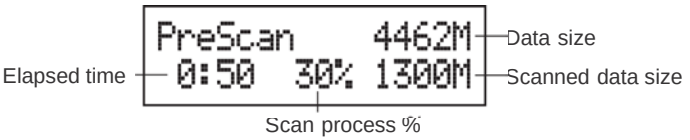
7-3. PreScan Source

This function will scan and detect any bad sectors existing in the source disc, which helps you to ensure the readability of source disc.

1. Place a source disc into the reader.
2. Use ▲ / ▼ to select 7.Utility and press OK to enter the sub menu. Then, select 3.PrescanSource and press OK to start scan task.



3. When prescan task is in process, you will see the process on the LCD display:



4. When the prescan task has finished, the result of prescan will be shown on the LCD display.

7-4. Track Edit

This function enables you to combine audio tracks from various CDs into a single customize audio CD.

- **Copy Track**: You can select and combine audio tracks from different CDs in this section.
- **Close Disc**: You have to perform this function after copy track to make the CD playable on CD player.
- **Disc Info.**: You can check the audio CD's information status.

7-5. Eject All Disc

You can eject all discs including source and target discs at the same time with this function.

7-6. Copy Counter

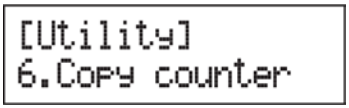
This function will record the results of all duplication tasks.

Show Count: You can check how many discs copy successfully and fail.

Enable Counter: You can enable or disable the counter to record the copy results.

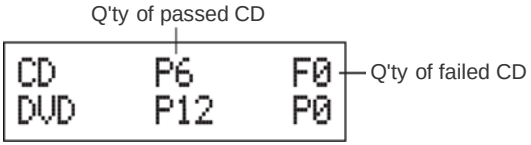
Clear Counter: You can delete the record with this function.

1. Use ▲ / ▼ to select 7.Utility and press OK to enter the sub menu. Then, select 6.CopyCounter and press OK.



2. Using ▲ / ▼ to select 1.ShowCount.

3. Press OK to check the calculation of successfully duplicated and failed discs.



7-7. Update BIOS

You can update the system's firmware with this function.

1. Place manufacturer certified update file CD into any drive
2. Press ▲ / ▼ to select 7.Utility and sub menu 7.UpdateBIOS and then press OK to start the process.

3. The system will automatically detect the update file and execute firmware update.

4. Once the firmware has been updated, the system will require you to reboot the system.

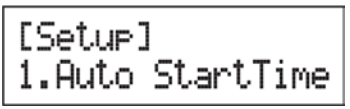
****Note:**
DO NOT save the firmware in a folder. The system can not detect the firmware if you save it in a folder.

8. Setup

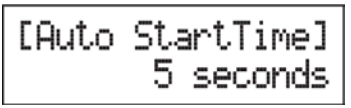
8-1. Auto Start Time

This setting will allow the system to do the Copy, Test, Compare and Copy + Compare functions automatically in a few seconds once the source and blank discs are placed in the trays and detected by the system. The default setting is 5 seconds. You can set a longer/shorter time from 1 to 99 seconds or set OFF to disable this function and execute copy task manually.

1. Pressing ▲ / ▼ to select 8.Setup and sub menu 1.AutoStartTime.



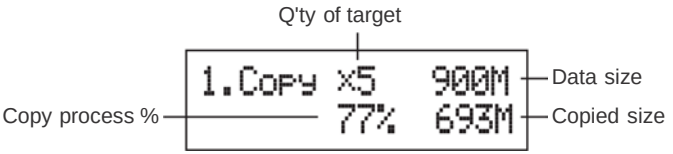
2. Pressing ▲ / ▼ to set the time.



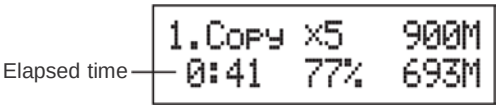
8-2. Display Mode

You can select the preferred display mode in Copy, Test, Compare, Copy+Compare.

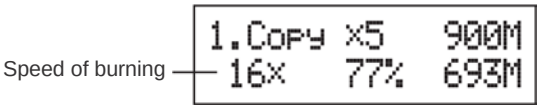
- **Basic:** Will only show the copy process (%) on LCD display.



- **Show Timer:** Will show the copying time.



- **Show Speed:** Will show the burning speed during copy process.



8-3. Button Beep

This setting will allow you to set up a beep sound when a button is pressed or not.

8-4. Eject On Start

You can set the trays or discs to eject once the system is booted up.

- **Eject All Discs:** To eject all trays with disc inside once the system is booted up.
- **Do Not Eject:** To not eject any tray or disc once the system is booted up.

- **Eject Target Only:** Only eject target trays with disc inside once the system is booted up.
- **Eject Source Only:** Only eject source disc once the system is booted up.
- **Eject All Trays:** To eject all trays once the system is booted up.

8-5. Reader Speed

This setting allows you to adjust the reading speed of source drive. The default setting of reader speed of BD is 4X, DVD is 24X and CD is 40 X.

8-6. Compare Speed

The reading speed of drives and discs is what affects the quality of duplicated discs. This setting allows you to adjust the reading speed of target drives to match up the reading speed of discs. The default setting of BD's compare speed is 4X, DVD is 8X and CD is 40X.

8-7. Language

You can set a desired language for duplicator menus and functions.

8-8. Clear Setup

This setting will reset all functions back to the manufacturer's default settings.

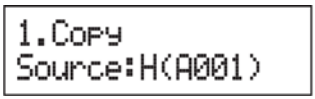
8-9. Advanced Setup

- **Power On Time:** You can set a warm-up time from 5 to 99 seconds to warm up the duplicator when it is turned on. The default setting is 10 seconds.
- **Start-up Menu:** You can select which function you would like to show up when the duplication is turned on.
- **Skip Read Error:** You can set this function to enable skipping disc errors in order to avoid bad quality copies. If you are confident that your source disc has only small or insignificant errors due to physical damages and can be overlooked, you can select NO to disable this function.

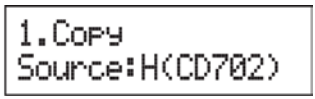
**Note:
Skip Read Error cannot fix the error on the source disc; all it does is skip the errors and keeps copying the rest of the readable data.

- **Change Bad Master:** This setting will make the system eject a bad source disc and ask for another one if the source disc is unreadable by the system.
- **CD Overburn:** The majority of discs have a small margin of extra groove at the outer edge. This setting allows you to copy data over the normal size limit.
- **Show HDD Image Name:** You can select to show HDD image name or capacity on Copy, Test, Copy + Compare and Compare function

Show HDD Image Name:



Show capacity:



**Note:
When you change the source from drive to HDD, the LCD will show the HDD information. To change your source reader please refer to 6. Select Source.

- **Keep Buffer:** You can set Yes to load source disc to buffer in first round of Copy, Test, Compare or Copy+Compare and do it again without the source disc. Or set No to keep buffer from being used.

**Note:
The source will only be temporarily saved in buffer, there will be nothing left when you exit the task (Copy, Test, Compare and Copy+Compare) or reboot the system.

- **Boot Password:** This setting allows you to enable or disable the user administrative password. Users have to login when the system is booted on.
- **Setup Password:** You can set up password by pressing OK to select the number you like and press ▲ ▼ to set next number.

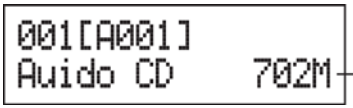
9. HDD Manager (For HDD-installed duplicator)

9-1. Select Image

You can select image file from HDD as your source for copying. When this function is selected, the system will automatically set the HDD to be the source reader.

1. Press ▲ / ▼ to select 9.HDD Manager and sub menu 1.Select Image.

2. Press ▲ / ▼ to select the image you need and press OK to confirm.

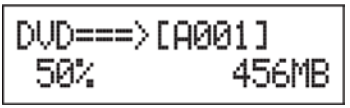


9-2. Disc to Image

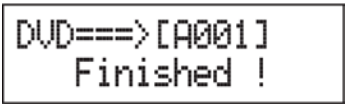
This function will load your source disc to the built-in HDD and save the source as an image file.

1. Place the source disc in one of the drives
2. Press ▲ / ▼ to select 9.HDD Manager and sub menu 2.Disc to Image.

3. Press OK to start loading.



4. When loading has finished, the disc will automatically be ejected.



**Note:
The source disc can be placed in any drive, it will not affect the loading process.

9-3. Set Reader Speed

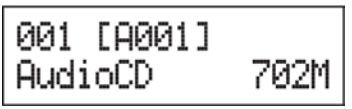
You can adjust the reading speed of the drive that you use as the source disc. This function is ONLY available when you load the source disc to HDD. The default setting for BD, DVD and CD speed is MAX.

9-4. Show Image Info.

You can check the disc format and data size of image file in this function.

1. Press ▲ /▼ to select 9.HDDManager and sub menu 4.ShowImage Info.

2. Press OK to check the disc format and data size of the image file. Press ▲ /▼ to check other image file's information.



9-5. Rename Image

This function allows you to change the name of an image file. You can set a maximum of up to 8 characters for a new name. (NO blank is allowed between the characters.)

1. Press ▲ / ▼ to select 9.HDD Manager and sub menu 5.Rename Image.

2. Press OK and select which image file you would like to rename by pressing ▲ / ▼, and then press OK to start create a new name for the selected file.

You can select characters or numbers by pressing ▲ / ▼, and press OK to the next space to edit. The maximum is 8 characters without blank any spaces. When you are finished, press OK to confirm the new name.

9-6. Delete Image

You can delete image files from the built-in HDD, but the source image file cannot be deleted if the file is selected as source. Therefore, before you delete an image file, please check if it is selected as a source and select a new file as the source by 9-1.SelectImage, page 37.

****Note:**
If an image file is deleted, the file name will be held for the next new image file, the existing file will not fill the vacancy. For example, there are 5 image files (A001~A005) in the HDD, when you delete A003, A004 will not change to be A003, once a new file has loaded, its default name will be A003.

9-7. Show HDD Info.

You can check the information of the built-in HDD which includes how many discs with image files are stored and the free space that is available in the HDD.

9-8. Format HDD

This function allows you to format the built-in HDD while the HDD is NOT selected as the reading source. You can change the source from HDD to other drive in 6. Select Source.

Due to the capacity for discs loading is hard to predict precisely and more new discs are coming out every day. The traditional method of formatting is not ideal for using on this duplicator. Our HDD management technology is able to detect disc capacity and automatically assign a proper partition for the disc's data. You do not have to predict and select BD, DVD or CD partition in the beginning. You can check how many discs you can upload from

7. Show HDD Info. This intelligent HDD management technology is much easier for HDD management than the previous versions.

III. Specification

Model		Media Mirror
Operation		Standalone
Target		1, 2, 3, 7, 8, 9, 10
Function		Flash to Disc Duplication
		Disc to Disc Duplication
Buffer (DDR2)		128MB
CD Speed		Up to 52X
DVD Speed		Up to 24X
Blu-ray Speed		Up to 12X
Memory card or USB Backup to Disc technology		Multi-session
		Disc Spanning
		MultiDisc
Memory Card Compatibility		CompactFlash™, MemoryStick/Pro/Duo, SD™ Card, miniSD, microSD
USB Flash Drive Support		CF, SD/SDHC, Memory Stick/Pro/Duo, USB
File Format Support		FAT12, FAT16, FAT32
Disc Format Support		BD-ROM, BD-R, BD-RE DVD-ROM, DVD-Video, DVD-Audio, DVD+R, DVD+RW, DVD-R, DVD-RW, Dual Layer DVD±R, CD-ROM, CD-RW, CD-I, Audio CD, Video CD, CD+G, CD-TEXT, Bootable CD, Mixed-mode CD, Multi-session CD, CD-Extra, Business Card CD, 3” Mini CD-R
Display		2X16 Blue Back-lit Monochrome LCD
Control Button		4 buttons (Forward, Backward, OK, Esc)
LED		LED for each Memory card and USB device slots
Temperature	Working	5°C ~ 45°C
	Storage	-20°C ~ 85°C
Humidity	Working	20% ~ 80%
	Storage	5% ~ 95%
Controller Power Consumption	Voltage	Max 5V
	Current	Max 1 A
Safety		FCC, CE, RoHS
*The information above is for reference only. The actual specifications may be subject to change without notice.		

IV. FAQ

Q1: Will MEDIA MIRROR transform my memory card data to DVD video or MP3 CD? A: MEDIA MIRROR will back up whatever you have in your original media devices; MEDIA MIRROR won't transform your data's format. You can trust their simple and straightforward copy capability.

Q2: Can MEDIA MIRROR play MP3 or JPEG photo?

A: No. MEDIA MIRROR is designed as a simple and easy to use backup machine.

Q3: Can MEDIA MIRROR link to PC?

A: Yes. MEDIA MIRROR has an optional USB module. Please ask your supplier for this option. When hook up with PC to MEDIA MIRROR will become an external CD/DVD burner.

Q4: How long does it take to do a Memory Card or USB to disc copy?

A: The speed of copy will depend on your Memory Card or USB's speed and the data size.

Q5: Can MEDIA MIRROR erase source disc?

A: MEDIA MIRROR only can erase the information of rewritable disc.

Q6: What file Format the MEDIA MIRROR can support?

A: MEDIA MIRROR support FAT format, such as FAT12, 16 and 32.

Q7: Why is the capacity of my flash memory card (as reported by many operating systems) different from the capacity that is listed on its label?

A: Some Disk Drive Companies define 1 MEGABYTE as 1,000,000 BYTES. But the Operating Systems define 1 MEGABYTE as 1,048,576 BYTES (1024K X 1024K or 2 to the 20th power). This is the reason why our systems calculate the capacity differently.

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